



## WHY IS IT IMPORTANT TO MAINTAIN CLEAN SOLAR PANELS?

A clean panel will provide optimum energy output. Soiled panels can reduce energy output anywhere from 2% to 40%.

## WHAT COMMON PITFALLS SHOULD YOU AVOID?

Do not clean panels or windows when the surface is hot; avoid direct sunlight. The best time to clean is early in the morning or late in the evening.

Do not use metal, hard or abrasive methods such as scouring powder, steel wool, scrapers, blades, and other sharp instruments.

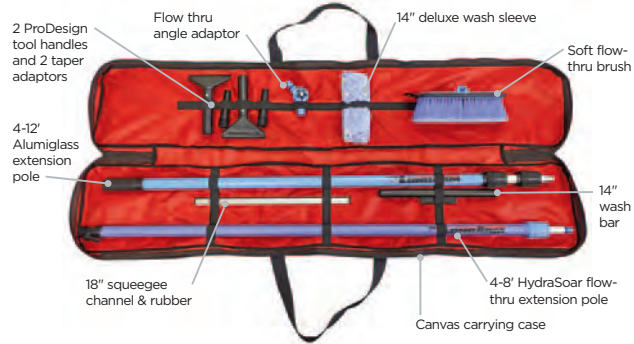
Avoid using power washers; instead, normal pressure from a standard residential hose and faucet is recommended.

Do not touch any wires or connectors or walk on the solar panels.

## WHAT SHOULD YOU USE TO CLEAN WINDOWS & SOLAR PANELS?

Most manufacturers recommend using a soft cloth or soft brush with clean water.

## PRODESIGN® SOLAR PANEL CLEANING KIT CONTAINS:



\*Sizes reflect the industry standard for extension pole lengths. For the most accurate sizes see chart below.

### MODEL #1017 CONTAINS:

ITEM	DESCRIPTION	QTY.	SIZE	METRIC SIZE
6612S	ALUMIGLASS EXTENSION POLE	1	4.2'-11.4'	(1.3-3.5 m)
8508	HYDRASOAR FLOW-THRU POLE	1	4.5'-8'	(1.4-2.5 m)
0405	SOFT FLOW-THRU BRUSH	1	10"	(25 cm)
1818	CHANNEL W/PREMIUM RUBBER	1	18"	(45 cm)
1000	PRO-DESIGN TOOL HANDLE	2		
0203	TAPER ADAPTOR	2		
0714	DELUXE WASH SLEEVE	1	14"	(35 cm)
0314	WASH SLEEVE SUPPORT BAR	1	14"	(35 cm)
1017-IS	INSTRUCTIONS	1		
	CANVAS CASE WITH ZIPPER POCKET & SHOULDER STRAPS	1	4'	(1.2 m)



FOR ADDITIONAL INFORMATION,  
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## ProDesign® SOLAR PANEL CLEANING KIT



## USING THE PRODESIGN WASHER & SQUEEGEE SYSTEM

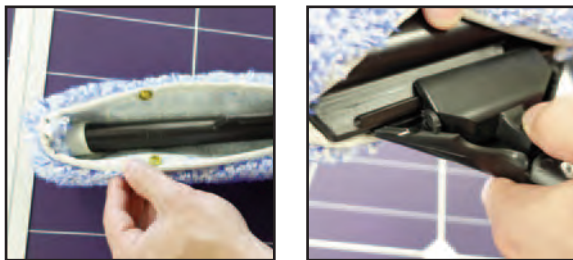
- 1) Attach a tapered adaptor onto the extension poles threaded end by turning the adaptor until secured.



- 2) Insert the squeegee channel into one of the two included ProDesign handles by pressing on the lever underneath to open the jaw, slide the squeegee through the jaw until centered, be sure to have the side of the channel with the least amount of rubber showing facing down, release pressure on the lever to close the jaws.



- 3) Insert the wash sleeve onto the wash bar and secure with the elastic bands on each end to hold in place. Snap the snap.



- 4) Insert the wash bar with sleeve attached onto the other ProDesign handle, slide the tab of the wash bar through the jaws until centered, release pressure on the lever to close the jaws.

- 5) To attach the ProDesign handles to the tapered adaptor, simply slide the handle onto the adaptor until secured in place.



- 6) Start with the washer, dip it into clean water and squeeze excess water off the wash sleeve. Mop the surface of the window or solar panel using back and forth or side to side motions.



- 7) Next you're ready to squeegee the excess water off of the surface. Squeegee the surface of the window or solar panel. **Be sure to angle the pole and squeegee handle to ensure that only the rubber is touching the glass surface.** You can squeegee from top to bottom, or side to side.



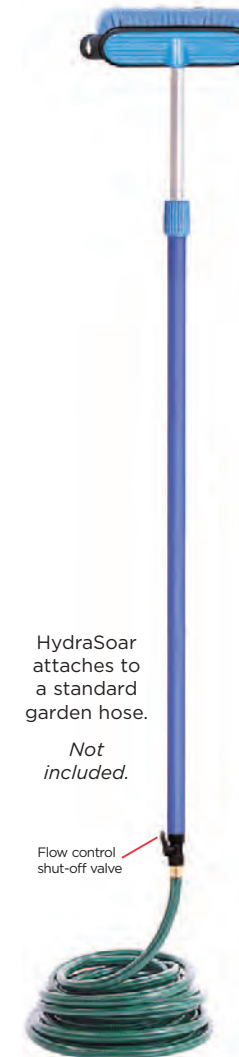
## USING THE HYDRASOAR

- 1) Install the flow control shut-off valve in the handle end of the HydraSoar extension pole.
- 2) Attach the brush head onto the threaded end of the HydraSoar extension pole or use flow-thru angle adaptor for more flexibility.

Soft brush recommended for use on windows, solar panels, siding, awnings, and gutters.



The flow-thru angle adaptor allows you to change the angle of the brush, making cleaning hard-to-reach panels easier.



HydraSoar attaches to a standard garden hose.

Not included.

Flow control shut-off valve

- 3) Attach a garden hose to the HydraSoar pole and turn on the water source.
- 4) You can stop or adjust the water flow using the flow control shut-off valve you installed on the HydraSoar handle.
- 5) Start by rinsing the surface of the panel, then with the brush, apply light pressure using a scrubbing motion.
- 6) Rinse the surface after brushing.
- 7) You can either allow the panel to air dry or squeegee the excess water off the surface.